



SPACE CLIMATE OBSERVATORY

Earth Observation serving territories

<http://spaceclimateobservatory.org>

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THE SCO INITIATIVE

■ History

- **Dec 2017:** Launch of the SCO initiative during the 1st One Planet Summit by President Macron.
- **17st June 2019:** Signature of the declaration of intention by 23 Space agencies, UNPD and UNOOSA at the Paris Air Show with President Macron.
- **22-23 October 2019:** First Steering Committee in Washington
- **21 November 2019:** Creation SCO France
- **15 January 2020:** 2nd StC in Abu Dhabi
- **18 June 2020 :** 3rd StC Online/UNOOSA



■ The mission

The SCO aims to provide operational tools and studies, to help decision-makers to adapt to climate change.

Especially at local scales, using satellite earth-based observation tools in combinaison with field data and models.



Transparency
of its actions, of data used
and provided



**local capacity
building**



**Sharing of
knowledge**



**effective
applications**
for climate change
adaptation

SCO MEMBERS

Signers of the SCO Declaration of Common Interest



SCO : AN INTERNATIONAL INITIATIVE

Group of Space agencies and International Organizations



Local implementations



...



- Group of Earth Observation
- Governments
- Local authorities
- Space agencies
- Meteorological agencies
- R&D centers
- Copernicus program
- Private companies
- Computing infrastructures
- Etc.

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SCO ACTIONS

Pilot projects

A first implementation of concrete SCO actions is based on **pilot SCO projects** at local scale, providing ready-to-use applications for local communities.

SCO outputs will consist of:

- **Access to data**, information, products, models, algorithms, analytics, applications and services made available by SCO Partners
- Sharing of **lessons learned**
- Access to SCO Partners support to develop **user-defined products and applications**
- All of the above shall be governed by the general principle of an **open data policy**, which could be submitted to specific restrictions formulated by a member of the consortium.

The added value of SCO

Initiate and accelerate projects around the world by providing knowledge and infrastructure support upon request

Disseminate results, input data, methods and tools

Capitalize : ensure that each project will benefit from previous experience

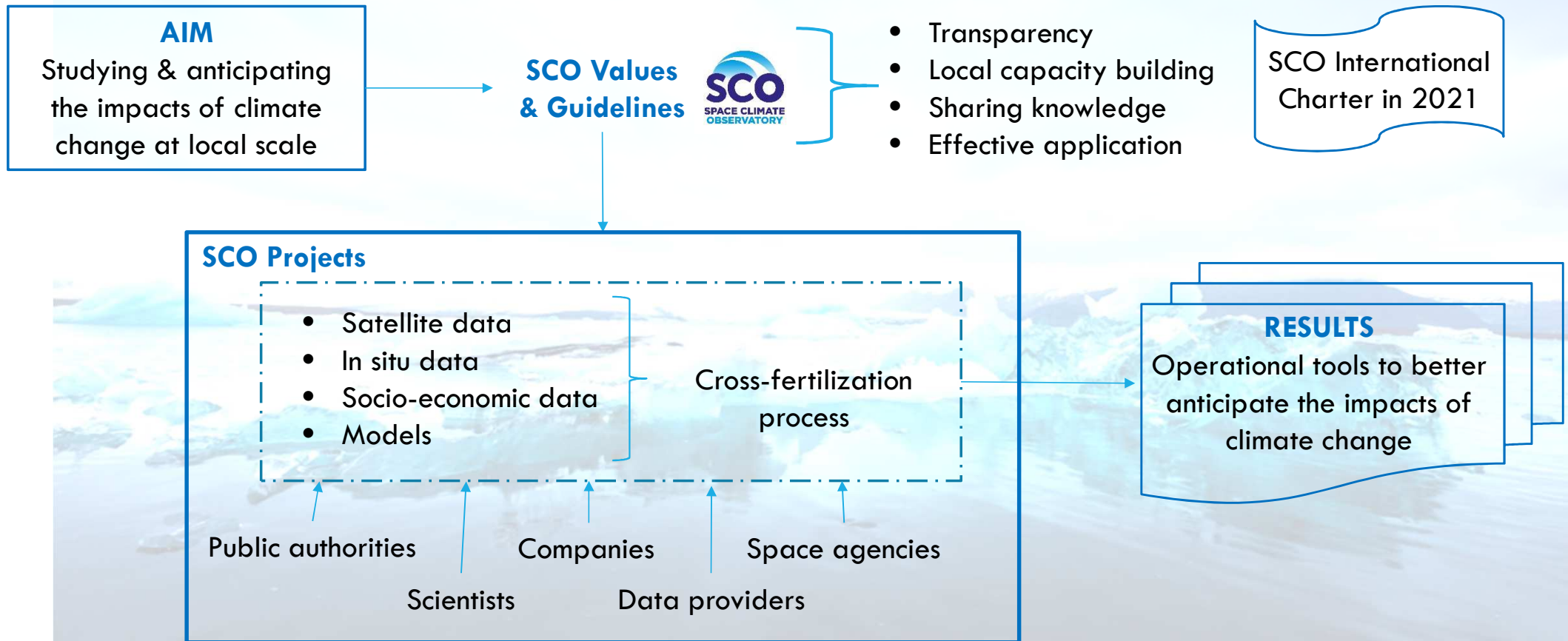
Stimulate international expertise in the monitoring, mitigation and adaptation to climate change impacts

Cooperate with international organizations, services, programmes and initiatives to make the best use of their expertise and avoid duplications with existing initiatives dealing with climate change

Raise awareness about the importance of space observation for climate action based on examples of concrete national projects

Facilitate capacity-building

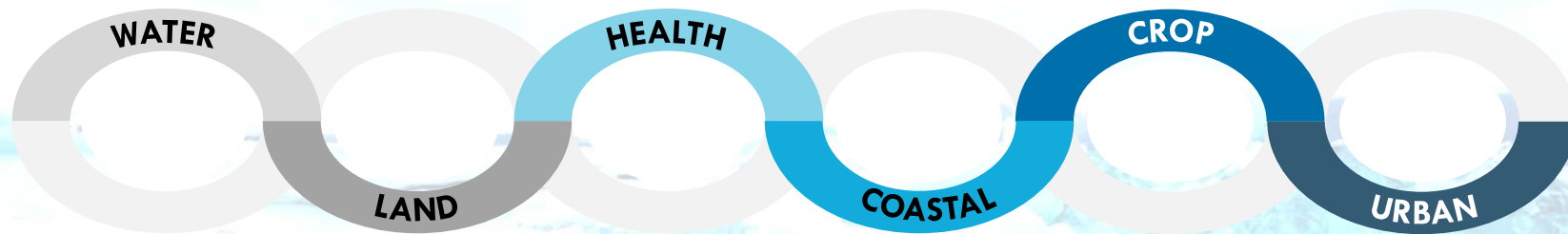
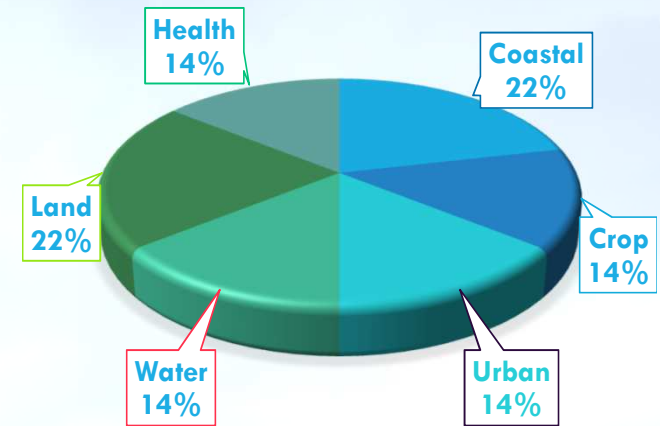
IN A NUTSHELL








SCO 2020 : LABELLED PROJECTS

15 Labelled projects

4 Millions €



					
Flaude	Eclat	CLIMHEALTH	OSS St Louis	VIETRRO	ThermoCity
FloodDAM	MEOSS-CLIMATE	ARBOCARTO-2	Mangroves	VIMESCO-Rice	SatLCZ
	InfraCLIMSénagal		LittoSCOpe		

GOVERNANCE

SCO International

24 space agencies, UNOOSA, UNPD, ESA

General Secretariat
(CNES, UNOOSA, UNDP, ASI, ESA, CNSA)

Steering Committee (27 members)

Visibility: International, Website &
Social Networks (June 20)

Ambition: ToR, SCO International Charter

Agenda:

- UICN (January 2021)
- One Planet Summit (Jan 2021)
- COP26



↓
SCO Africa
SCO India
SCO Pacific
...

→ SCO France

Comité Inter Organismes (16)
General Secretariat

6 members

Ambition : Inspire and select
10 projects/year

Agenda :

1-2 april 2020 : first projects
selection seminar

Jan 21 : One Planet Summit

SCO TIMELINE

Kick off by President Macron 17 June 2019



17-26th June 2020 : 3rd Steering committee meeting (Vienna by UNOOSA)

- SCO Int. Charter principles and draft SCO definition document

15th September 2020: First International Call for Project launched by UNDP/UNOOSA/UNEP

October 2020 : 4th StC

June 2021 : 5th Steering Committee meeting

- Final signature of the SCO International Charter



SCO/CEOS LINKAGES



Presentation of SCO initiative and progress to SIT & Plenary :

CEOS SIT-33 - Avril 2018

CEOS Plenary October 2018

CEOS SIT-34 – April 2019 - Session 4 Observations for End Users

Connections SCO/CEOS : WG Climate, WGISS, WG Disasters, WG CAPD, GEOGLAM, AHT SDG ...

Enhance the added value of Earth Observations to provide the right information for CC impacts

Provide feedback to CEOS and agencies on requirements for space-based Earth Observations, in strong relationship with GCOS - Facilitate the collaboration across agencies in addressing those requirements.

Collaborate with CEOS in developing tools and infra needed to expand the use of satellite data

1st SCO presentation at WG Disasters today - possible linkages with SCO activities :

Flood GEO/LEO/SAR

Landslides

Wild Fires

Recovery Observatory

GSNL (landslides)

GEODARMA

Geohazards Lab

Next presentations :

WG Climate (CEOS/CGMS)

WG CapD

AHT COAST ... CEOS SIT / Plenary

Nota : SCO is a “Community of Activity” GEO and should become soon a GEO “Initiative”

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